

Fluorotriphenylsilane

Other names:	Triphenylfluorosilane Triphenylfluorosilane Silane, fluorotriphenyl-
Inchi:	InChI=1S/C18H15FSi/c19-20(16-10-4-1-5-11-16,17-12-6-2-7-13-17)18-14-8-3-9-15-18/h
InchiKey:	UBGXLEFOIVWVRP-UHFFFAOYSA-N
Formula:	C18H15FSi
SMILES:	F[Si](c1ccccc1)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	278.40
CAS:	379-50-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-14.51		Crippen Method
logp	2.623		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	481.50 ± 1.50	K	1.60	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C379500&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tbrp:	Boiling point at reduced pressure

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